IN THE CLAIMS

1. (currently amended) An ultrasonic imaging method comprising the steps of:

storing a reference image and a scan condition thereforused to acquire the reference image;

reading said reference image and said scan condition;

setting said scan condition and acquiring a real-time image by setting said scan condition, wherein said reference image is acquired before providing medical treatment to a subject and said real-time image is acquired after providing medical treatment to the subject; and

displaying said reference image and said real-time image side by side.

2. (original) The ultrasonic imaging method of claim 1, further comprising the steps of:

calculating a correlation coefficient between said reference image and said real-time image throughout or partially; and

displaying the calculated correlation coefficient.

3. (original) The ultrasonic imaging method of claim 2, further comprising a step of:

displaying in a hold manner the maximum value of the correlation coefficient from the beginning of acquisition of the real-time image up to the present.

4. (original) The ultrasonic imaging method of claim 2, further comprising a step of:

calculating a correlation coefficient for a region outside of a region of interest defined in said reference image or in said real-time image.

5. (original) The ultrasonic imaging method of claim 2, further comprising a step of:

calculating a correlation coefficient for a correlation comparison region defined in said reference image or in said real-time image.

6. (original) The ultrasonic imaging method of claim 1, further comprising a step of:

displaying said reference image and said real-time image superimposed in response to a command by an operator.

7. (original) The ultrasonic imaging method of claim 1, further comprising the steps of:

storing a measurement result for a target region in said reference image; and reading said measurement result and displaying it when displaying said reference image.

8. (original) The ultrasonic imaging method of claim 1, further comprising a step of:

storing said reference image and said scan condition in a server on a network.

9. (currently amended) An ultrasonic diagnostic apparatus comprising: an ultrasonic probe;

a transmitting/receiving device for driving said ultrasonic probe to transmit ultrasonic pulses into a subject and receive ultrasonic echoes from inside the subject and outputting received data;

an ultrasonic image producing device for producing an ultrasonic <u>reference</u> image from the resulting received data, <u>wherein said ultrasonic image producing</u> <u>device is configured to produce a real-time image</u>;

a reference image storage device for storing astoring said reference image;

a scan condition storage device for storing a scan condition for the for said reference image;

an automatic scan condition setting device for reading said scan condition and setting itsetting the scan condition, wherein said reference and real-time images are acquired by setting said scan condition, and wherein said reference image is acquired before a medical treatment of the subject and said real-time image is acquired after the medical treatment; and

an ultrasonic image display device for reading said reference image and displaying said reference image and a real-time image side by side.

10. (original) The ultrasonic diagnostic apparatus of claim 9, further comprising:

a correlation coefficient calculating device for calculating a correlation coefficient between said reference image and said real-time image throughout or partially; and

a correlation coefficient display device for displaying the calculated correlation coefficient.

11. (currently amended) An ultrasonic diagnostic apparatus comprising: an ultrasonic probe;

a transmitting/receiving device for driving said ultrasonic probe to transmit ultrasonic pulses into a subject and receive ultrasonic echoes from inside the subject and outputting received data;

an ultrasonic image producing device for producing an ultrasonic <u>reference</u> image from the resulting received data;

a reference image storage device for storing a reference the reference image;

a scan condition storage device for storing a scan condition for the reference image;

an automatic scan condition setting device for reading said scan condition and setting itsetting said scan condition;

a scan plane angular scanning device for acquiring a plurality of real-time images at different scan plane angles, wherein said reference image is acquired before providing medical treatment to the subject and one of said real-time images is acquired after providing the medical treatment;

a correlation coefficient calculating device for calculating a correlation coefficient between said reference image and each of said real-time images throughout or partially; and

an ultrasonic image display device for displaying said reference image and said real-time imageone of said real-time images having the highest correlation coefficient side by side.

12. (original) The ultrasonic diagnostic apparatus of claim 11, further comprising:

a correlation coefficient display device for displaying said highest correlation coefficient.

13. (currently amended) The ultrasonic diagnostic apparatus of claim 11, further comprising:

a correlation coefficient maximum value display device for displaying in a hold manner the maximum value of the correlation coefficient from the beginning of acquisition of the real-time imageone of said real-time images up to the present.

- 14. (currently amended) The ultrasonic diagnostic apparatus of claim 11, wherein said correlation coefficient calculating device calculates a correlation coefficient for a region outside of a region of interest defined in said reference image or in said real-time imageone of said real-time images.
- 15. (currently amended) The ultrasonic diagnostic apparatus of claim 11, wherein said correlation coefficient calculating device calculates a correlation

coefficient for a correlation comparison region defined in said reference image or in said real-time imageone of said real-time images.

16. (original) The ultrasonic diagnostic apparatus of claim 9, further comprising:

a combined-display device for displaying said reference image and said realtime image superimposed in response to a command by an operator.

17. (original) The ultrasonic diagnostic apparatus of claim 9, further comprising:

a measurement result storage device for storing a measurement result for a target region in said reference image; and

a measurement result display device for reading said measurement result and displaying it when displaying said reference image.

- 18. (original) The ultrasonic diagnostic apparatus of claim 9, wherein said reference image storage device and said scan condition storage device reside in said ultrasonic diagnostic apparatus itself, and in addition, in a server on a network.
- 19. (original) The ultrasonic diagnostic apparatus of claim 9, wherein said reference image storage device and said scan condition storage device reside not in said ultrasonic diagnostic apparatus itself but in a server on a network.